

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/003354

A. CLASSIFICATION OF SUBJECT MATTER  
INV. C01F7/00 C01B33/193 C01B13/36 C08K3/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
C01F C01B C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 637 992 A (VAN SANTEN RUTGER A ET AL) 20 January 1987 (1987-01-20) column 3, line 9 – line 22; claims	1-13
A	US 4 717 513 A (VAN SANTEN RUTGER A ET AL) 5 January 1988 (1988-01-05) the whole document	1-13
A	EP 1 069 074 A (N T S CORP ; RYOWA CORP (JP)) 17 January 2001 (2001-01-17) claims 1,7,8	1-21
A	US 6 306 494 B1 (OKADA AKIRA ET AL) 23 October 2001 (2001-10-23) the whole document	
A	EP 0 976 681 A (KYOWA CHEM IND CO LTD) 2 February 2000 (2000-02-02) the whole document	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search

15 June 2006

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL – 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Zalm, W

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 976 681 A (KYOWA CHEM IND CO LTD) <b>02 February 2000 (02-02-2000)</b> <b>the whole document</b> -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/FR2004/003354

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4637992	A	20-01-1987	NONE		
US 4717513	A	05-01-1988	CA 1239923 A1	02-08-1988	
			DE 3567583 D1	23-02-1989	
			EP 0159756 A2	30-10-1985	
			JP 1819439 C	27-01-1994	
			JP 5032322 B	14-05-1993	
			JP 61006107 A	11-01-1986	
EP 1069074	A	17-01-2001	DE 60001127 D1	13-02-2003	
			DE 60001127 T2	17-07-2003	
			US 6383270 B1	07-05-2002	
US 6306494	B1	23-10-2001	AT 236086 T	15-04-2003	
			AU 4018799 A	17-02-2000	
			BR 9902996 A	08-03-2000	
			CA 2278846 A1	27-01-2000	
			CN 1253910 A	24-05-2000	
			DE 69906428 D1	08-05-2003	
			DE 69906428 T2	30-10-2003	
			DK 976681 T3	28-07-2003	
			EP 0976681 A2	02-02-2000	
			ES 2191390 T3	01-09-2003	
			HU 9902523 A2	28-12-2000	
			JP 3762571 B2	05-04-2006	
			JP 2000103624 A	11-04-2000	
			PL 334622 A1	31-01-2000	
			PT 976681 T	29-08-2003	
			SK 99499 A3	16-05-2000	
			TR 9901789 A2	21-02-2000	
EP 0976681	A	02-02-2000	AT 236086 T	15-04-2003	
			AU 4018799 A	17-02-2000	
			BR 9902996 A	08-03-2000	
			CA 2278846 A1	27-01-2000	
			CN 1253910 A	24-05-2000	
			DE 69906428 D1	08-05-2003	
			DE 69906428 T2	30-10-2003	
			DK 976681 T3	28-07-2003	
			ES 2191390 T3	01-09-2003	
			HU 9902523 A2	28-12-2000	
			JP 3762571 B2	05-04-2006	
			JP 2000103624 A	11-04-2000	
			PL 334622 A1	31-01-2000	
			PT 976681 T	29-08-2003	
			SK 99499 A3	16-05-2000	
			TR 9901789 A2	21-02-2000	
			US 6306494 B1	23-10-2001	